

Docket No.: SAEG163.005APC

AP4 Rec'd PCT/PTO 20 DEC 2005  
December 16, 2005  
Page 1 of 1

Please Direct All Correspondence to Customer Number **20995**

**TRANSMITTAL LETTER  
INFORMATION DISCLOSURE STATEMENT**

Applicant : Yamamoto et al.  
App. No : 10/549,785  
Filed : September 19, 2005  
For : NOBLE METAL/MAGNETIC METAL  
OXIDE COMPOSITE FINE PARTICLES  
AND PRODUCTION METHOD  
THEREOF  
Examiner : Unknown  
Art Unit : 1754

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

December 16, 2005

(Date)

Eric Ives, Reg. No. 50,928

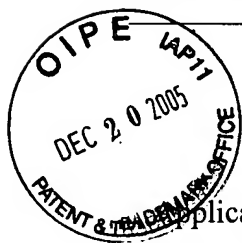
**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing references for consideration:
  - (X) Listing 21 references.
  - (X) Enclosing 20 references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Eric Ives  
Registration No. 50,928  
Agent of Record  
Customer No. 20,995  
(805) 547-5580

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Yamamoto et al.  
App. No : 10/549,785  
Filed : September 19, 2005  
For : NOBLE METAL/MAGNETIC METAL  
OXIDE COMPOSITE FINE  
PARTICLES AND PRODUCTION  
METHOD THEREOF  
Examiner : Unknown  
Art Unit : 1754

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 21 references to be considered by the Examiner. Also enclosed are 20 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

Please note the relevance of references 5 through 9 is that they are cited in the International Search Report from PCT priority application serial no. PCT/JP2004/003137 and the relevance of references 2 through 4 and 10 through 20 is that they cited in the subject specification. Please also note that JP 63-252908 corresponds to US 4,839,327.

This Information Disclosure Statement is being filed within three months of the filing date, with an RCE or before receipt of a first office action after an RCE and no fee is required.

Appl. No. : 10/549,785  
Filed : September 19, 2005

Docket No. SAEG163.005APC  
Customer No. 20,995

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12/16/05

By: 

Eric Ives

Registration No. 50,928

Agent of Record

Customer No. 20,995

(805) 547-5580

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(Multiple sheets used when necessary)*

SHEET 1 OF 2

Application No.	10/549,785
Filing Date	September 19, 2005
First Named Inventor	Yamamoto, Takao
Art Unit	1754
Examiner	Unknown
Attorney Docket No.	SAEG163.005APC

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,839,327	06-13-1989	Haruta et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	2	JP 5-34284	05-21-1993	Agency of Ind. Sci & Tech.		Abstract
	3	JP 63-197638	08-16-1988	Adachi Shin-Sangyo		Abstract
	4	JP 60-050172	03-19-1985	Toshiba Corp.		Abstract
	5	JP 1-268764	10-26-1989	Ishihara Sangyo Kaisha		Abstract
	6	JP63-252908	10-20-1988	Agency of Ind. Sci. & Tech.		Abstract
	7	JP 5-503188	05-27-1993	Immunicon Corp.		Abstract
	8	JP 10-321428	12-04-1998	Sony Corp.		Abstract
	9	JP 64-83522	03-29-1989	Agency of Ind. Sci. & Tech.		Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	10	VIJAYALAKSHMI, R. et al. (2002) "Radiolytic preparation of nanosized Pt particles in sodium zeolite A" Solid State Sciences, 4:489-494.	
	11	LAWLESS, D. et al. (1994) "Reduction and aggregation of silver ions at the surface of colloidal silica" J. Phys. Chem. 98:9619-9625.	
	12	YAMADA, T. et al. (2003) "Platinum surface modification of SBA-15 by gamma-radiation treatment" Adv. Mater. 15:511-513.	
	13	GACHARD, E. et al. (1996) "Optical and epr spectroscopic studies of silver clusters in Ag, Na-Y zeolite by gamma-irradiation" J. Mater. Chem. 6:867-870.	
	14	SEINO, S. et al. (2002) "Magnetic nanocomposite composed of iron and gold synthesized by the reversed micelle method" NANO, parts 1, 2 and 3.	
	15	KINOSHITA, T. et al. (2003) "Magnetic evaluation of nanostructure of gold-iron composite particles synthesized by a reverse micelle method" Journal of Alloys and Compounds 359:46-50.	

Examiner Signature	Date Considered
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\***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/549,785
	Filing Date	September 19, 2005
	First Named Inventor	Yamamoto, Takao
	Art Unit	1754
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 2	Attorney Docket No.	SAEG163.005APC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	16	OKITSU, K. et al. (1999) "Sonochemical preparation of size-controlled palladium nanoparticles on alumina surface" Chemistry Letters, pp. 271-272.	
	17	OKITSU, K. et al. (2002) "Sonolytic control of rate of gold(III) reduction and size of formed gold nanoparticles: relation between reduction rates and sizes of formed nanoparticles" Bull. Chem. Soc. Jpn. 75:2289-2296.	
	18	"Magnetic nanocomposite particle materials synthesized by reverse micelle method (1)" Abstracts of Autumn Meeting of Japan Society of Powder and Powder Metallurgy, 2002, 3-16A.	
	19	"Magnetic nanocomposite particle materials synthesized by reverse micelle method (2)" Abstracts of Autumn Meeting of Japan Society of Powder and Powder Metallurgy, 2002, 3-17A.	
	20	SEINO, S. et al. (2003) "Synthesis of the nanocomposite material using gamma-ray energy" 21 <sup>st</sup> Century International Symposium Research Activity Report, pp. 81-82, (with English Abstract)	Abstract
	21	International Search Report from PCT priority application serial no. PCT/JP2004/003137.	

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